

FIG. 1

The block diagram of the sensor self-test system.

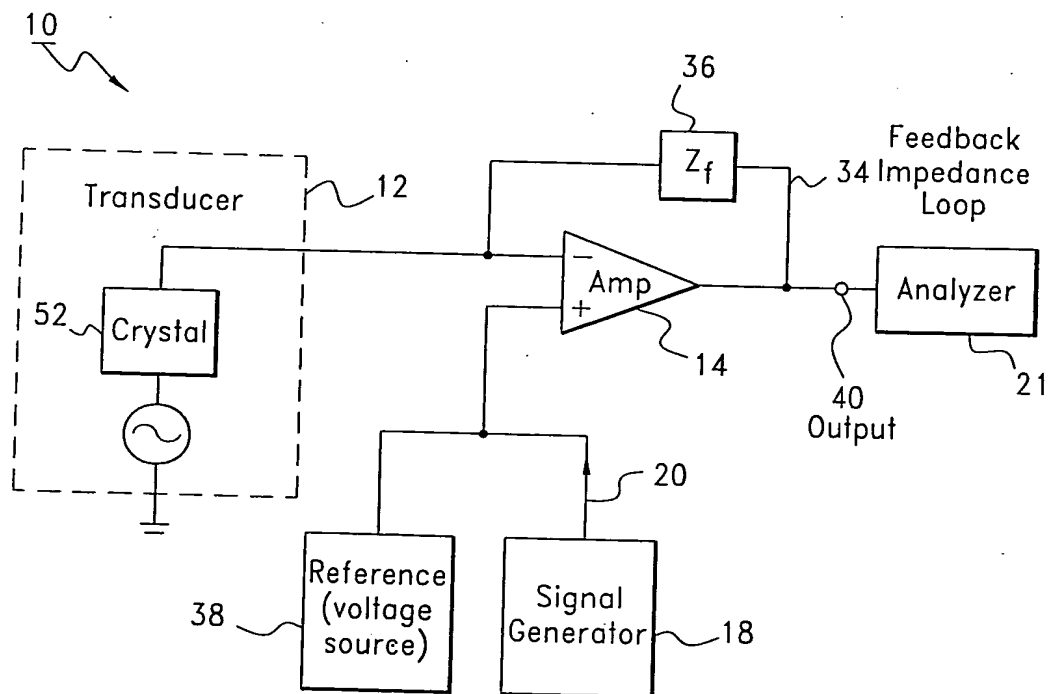


FIG. 2

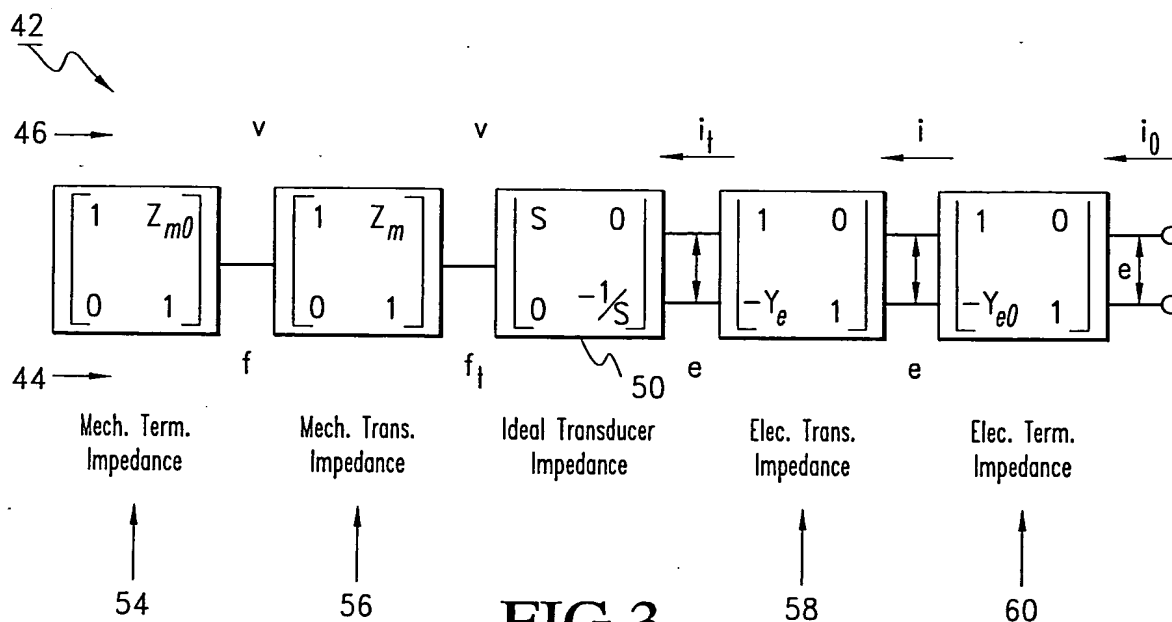


FIG.3

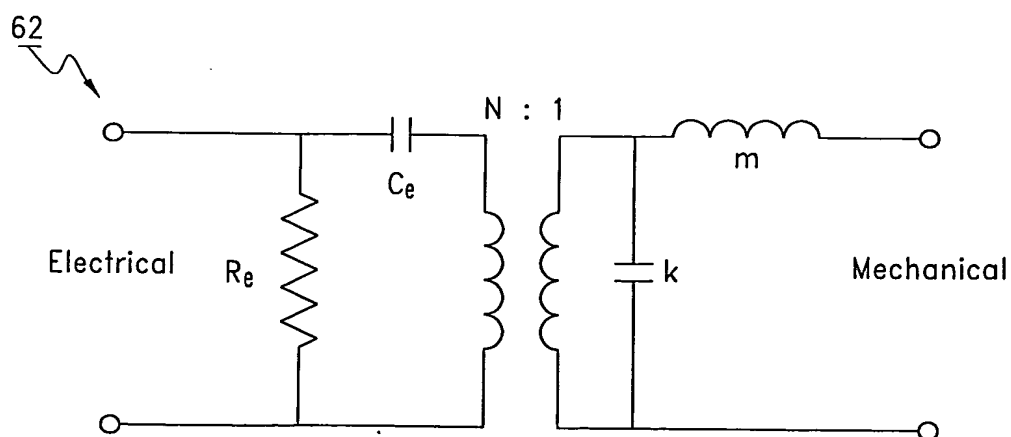


FIG.4

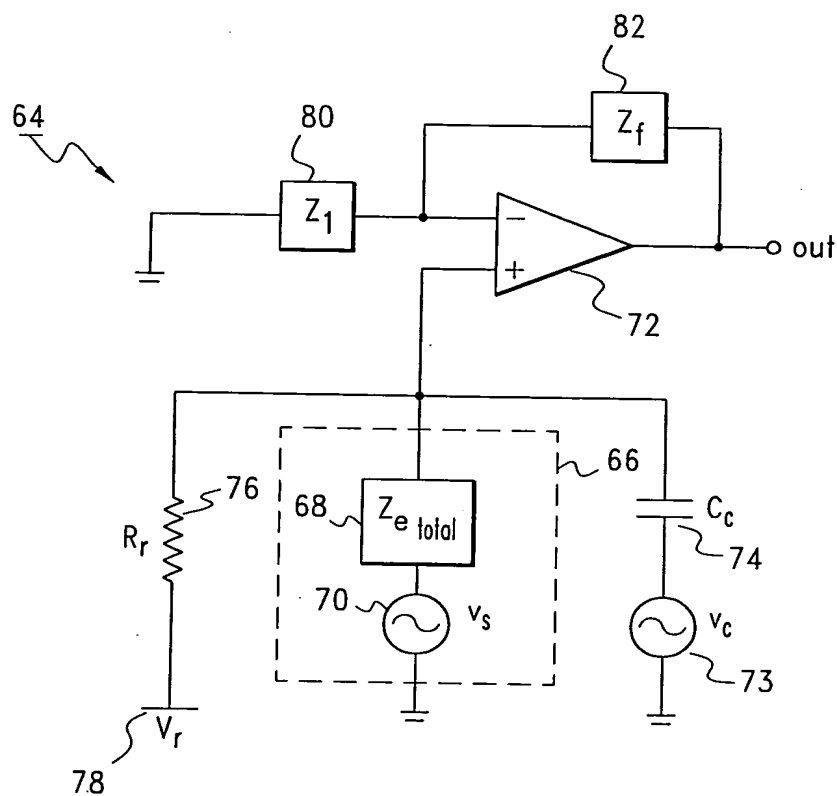


FIG.5

Three wire voltage mode self-test circuit.

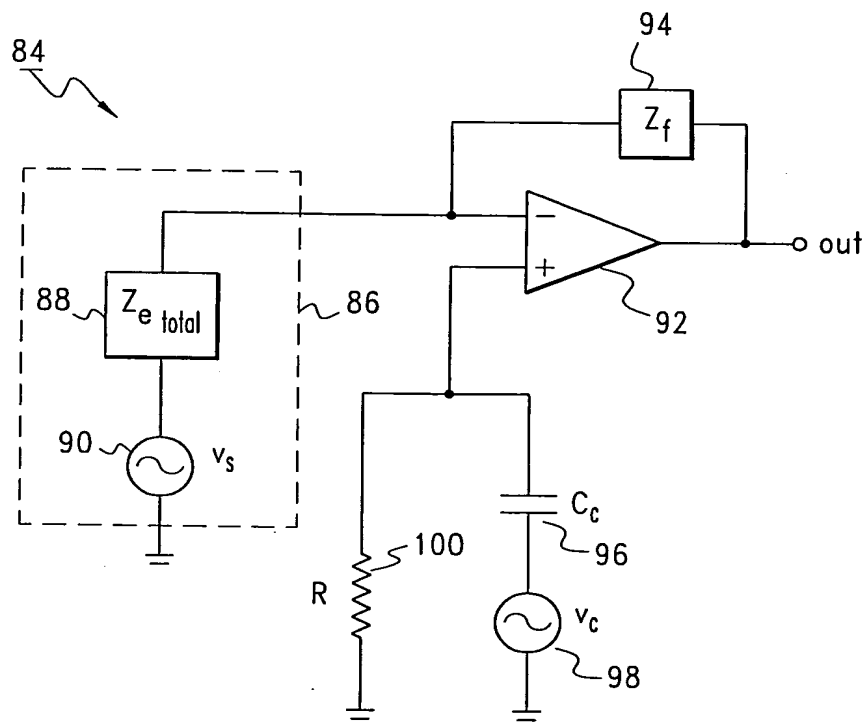


FIG.6
Three wire charge amplifier.

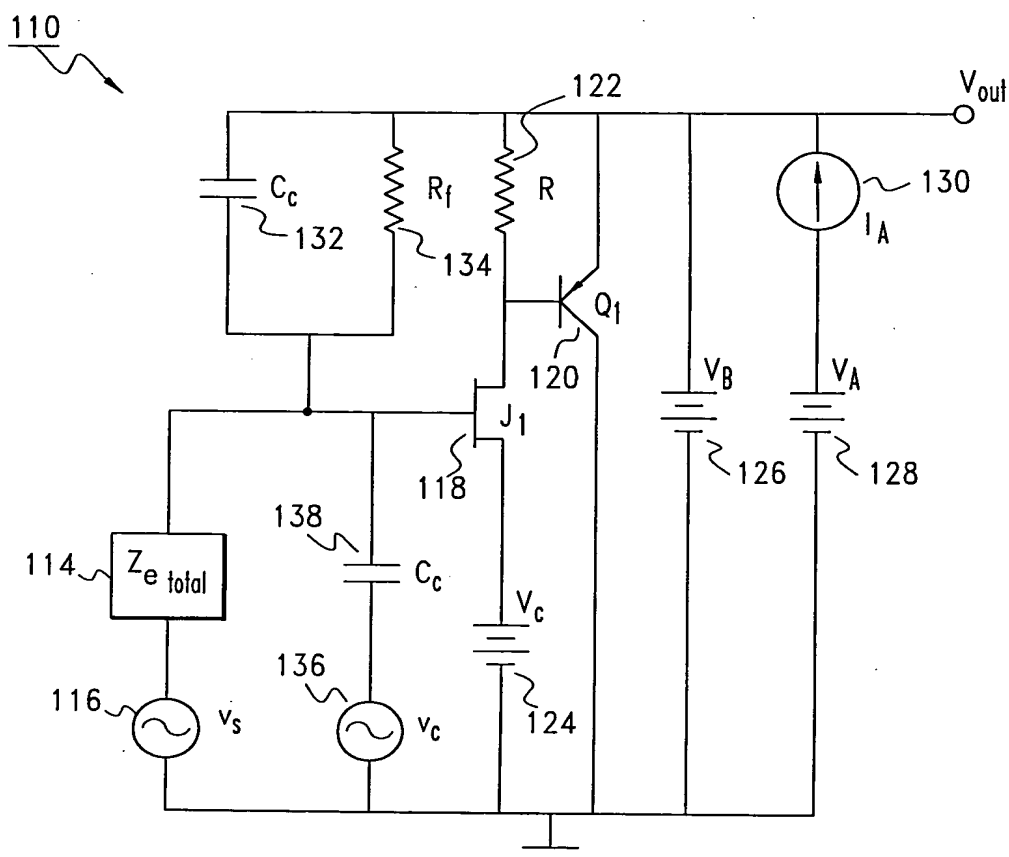


FIG.7

The two-wire charge mode preamplifier with self-test feature.

140

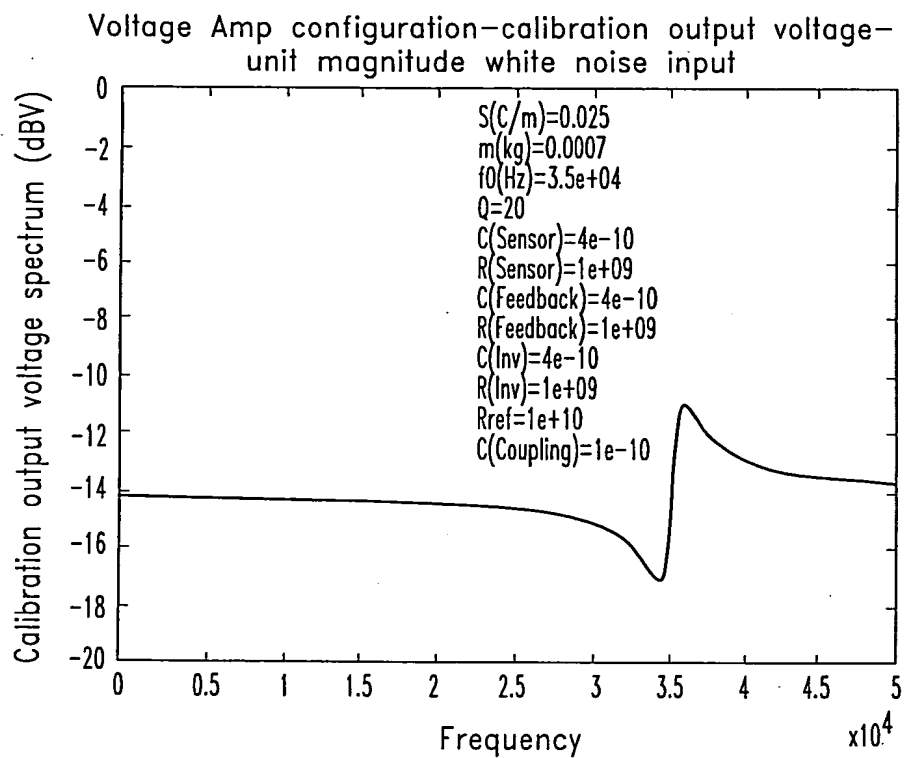


FIG.8

142
↘

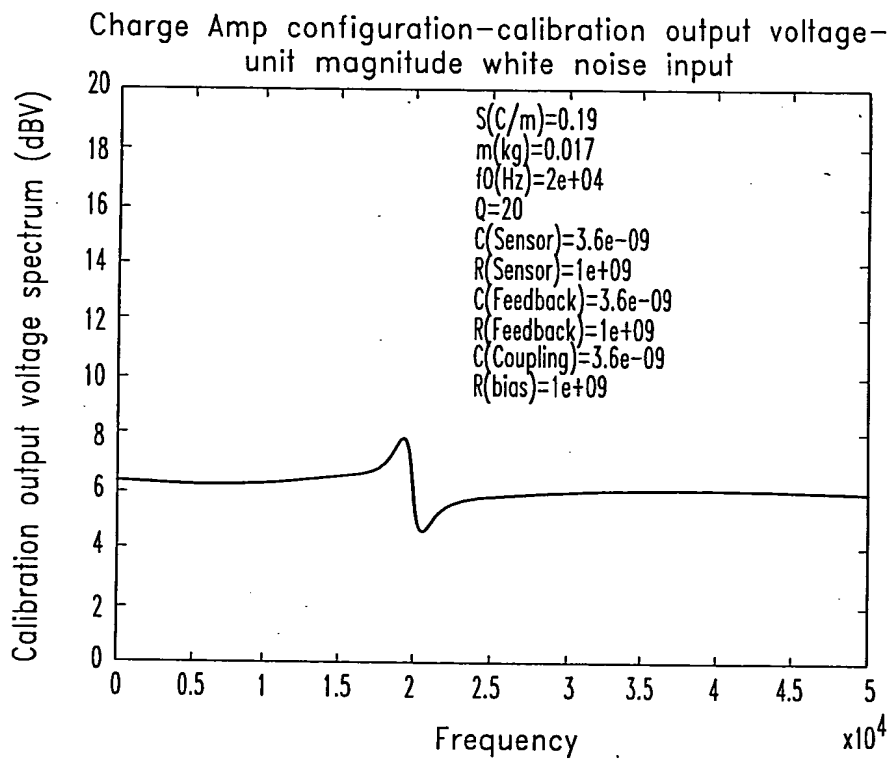


FIG.9

144

Charge Amp configuration—calibration output voltage—
 unit magnitude white noise input

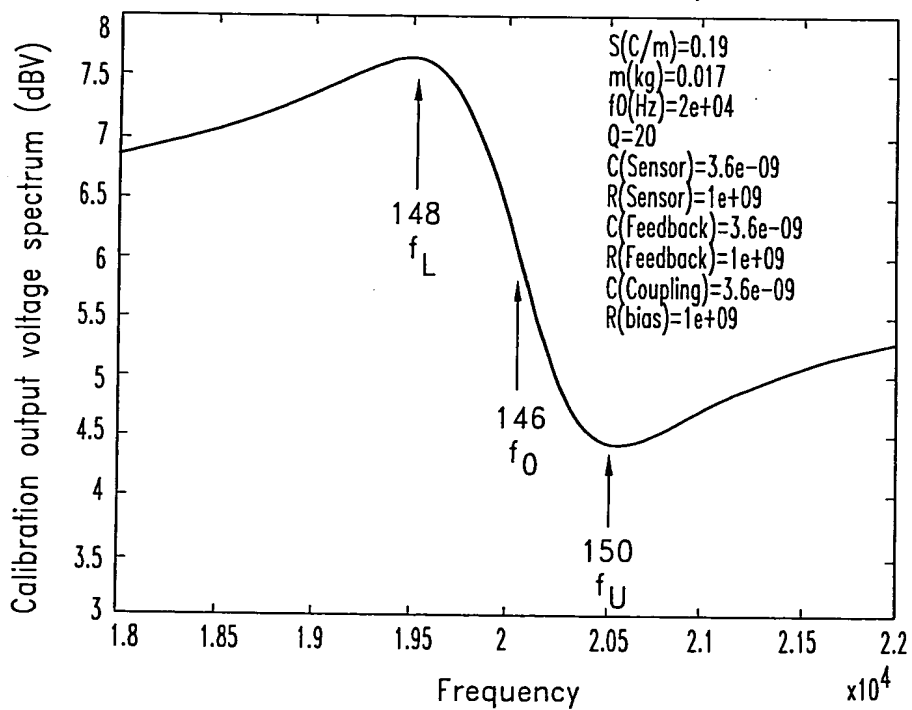


FIG.10

152



Charge Amp configuration—calibration output voltage—
unit magnitude white noise input

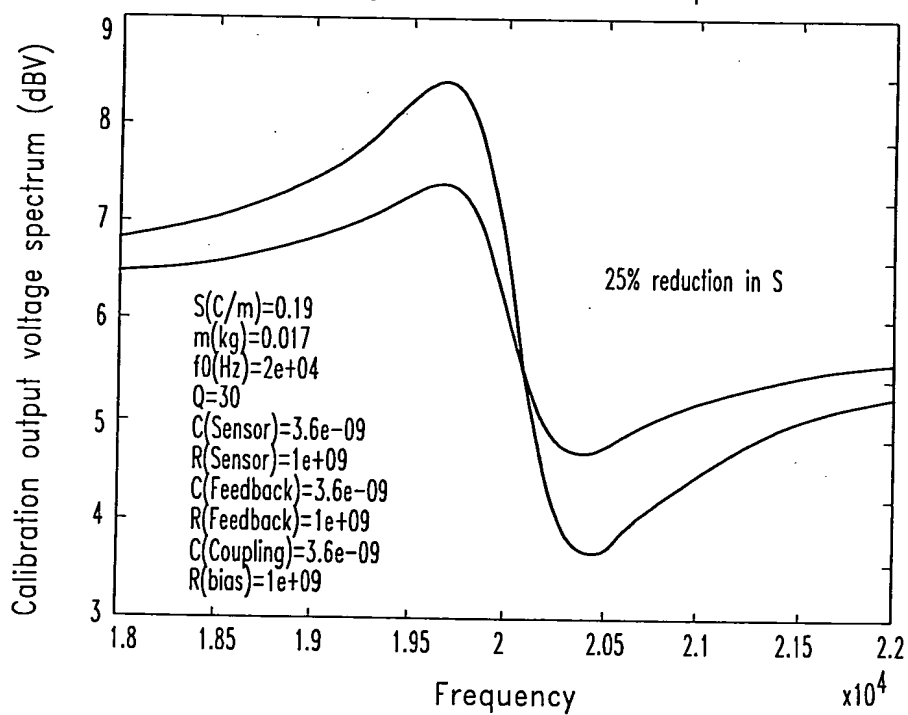


FIG.11

154

Charge Amp configuration—calibration output voltage—
 unit magnitude white noise input

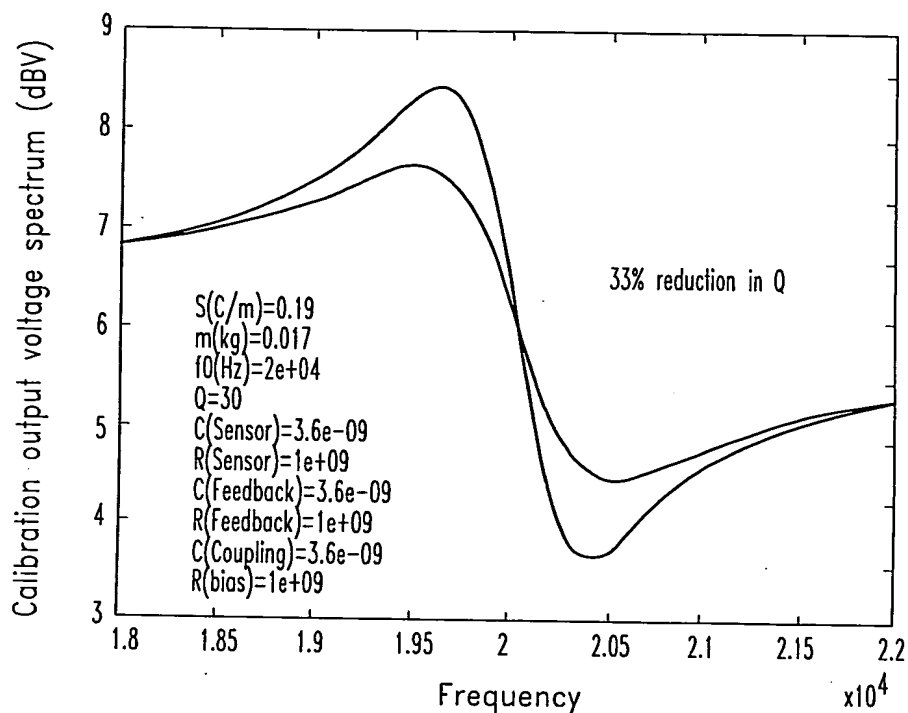


FIG.12

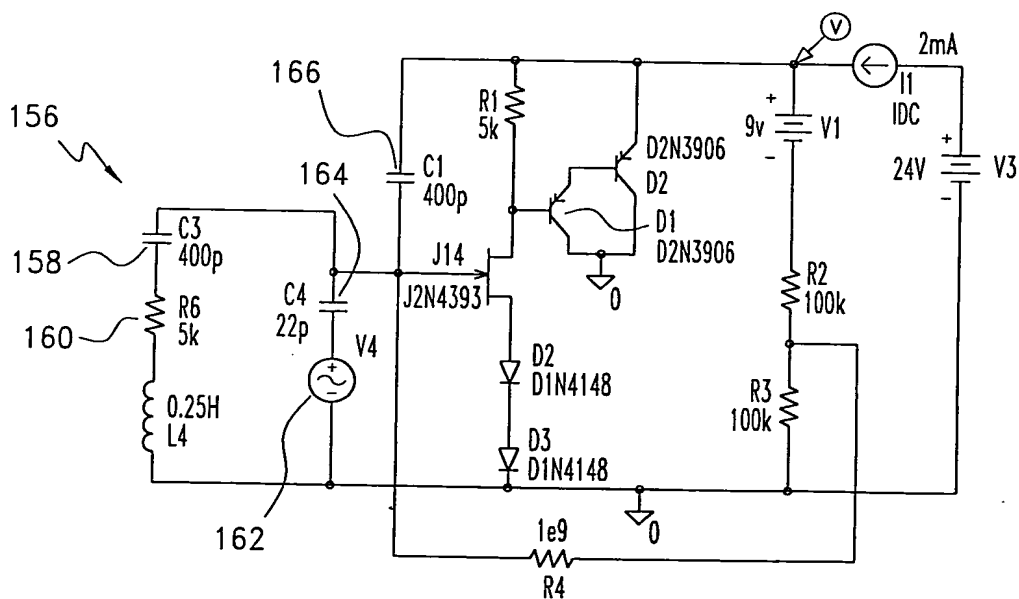


FIG.13

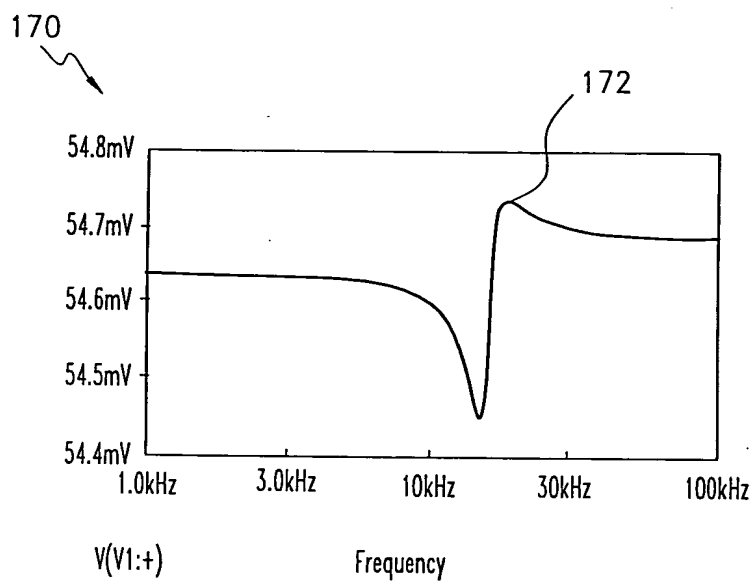


FIG.14

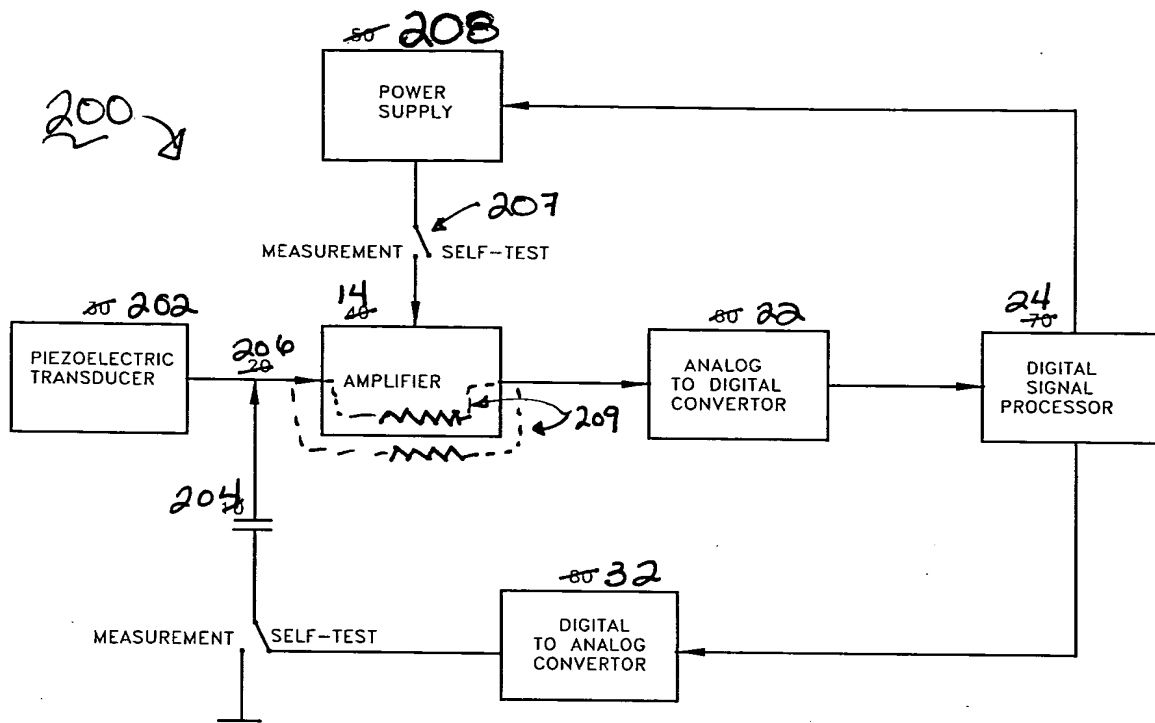


FIG. 15

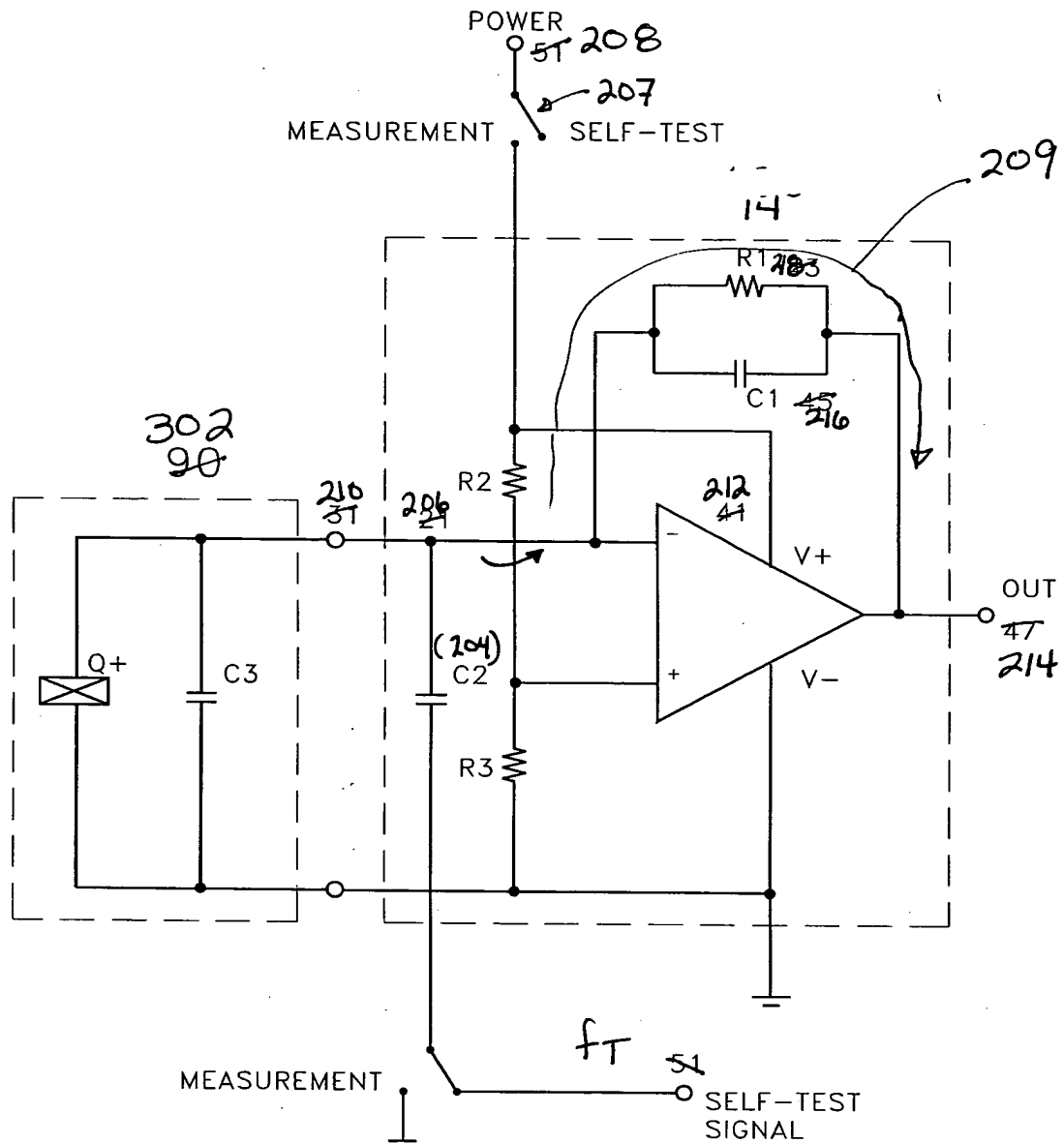


FIG. 16

32

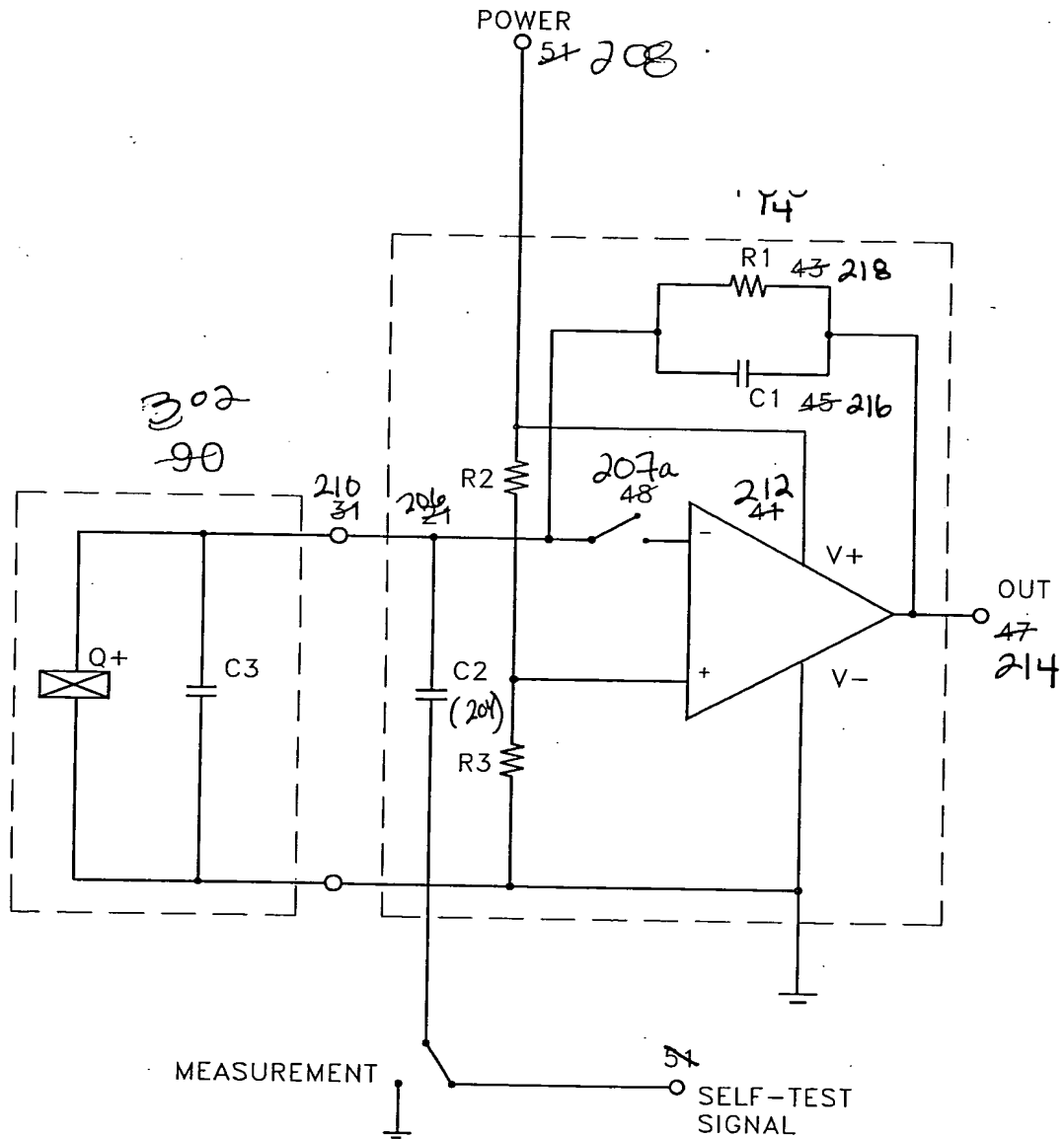


FIG.17

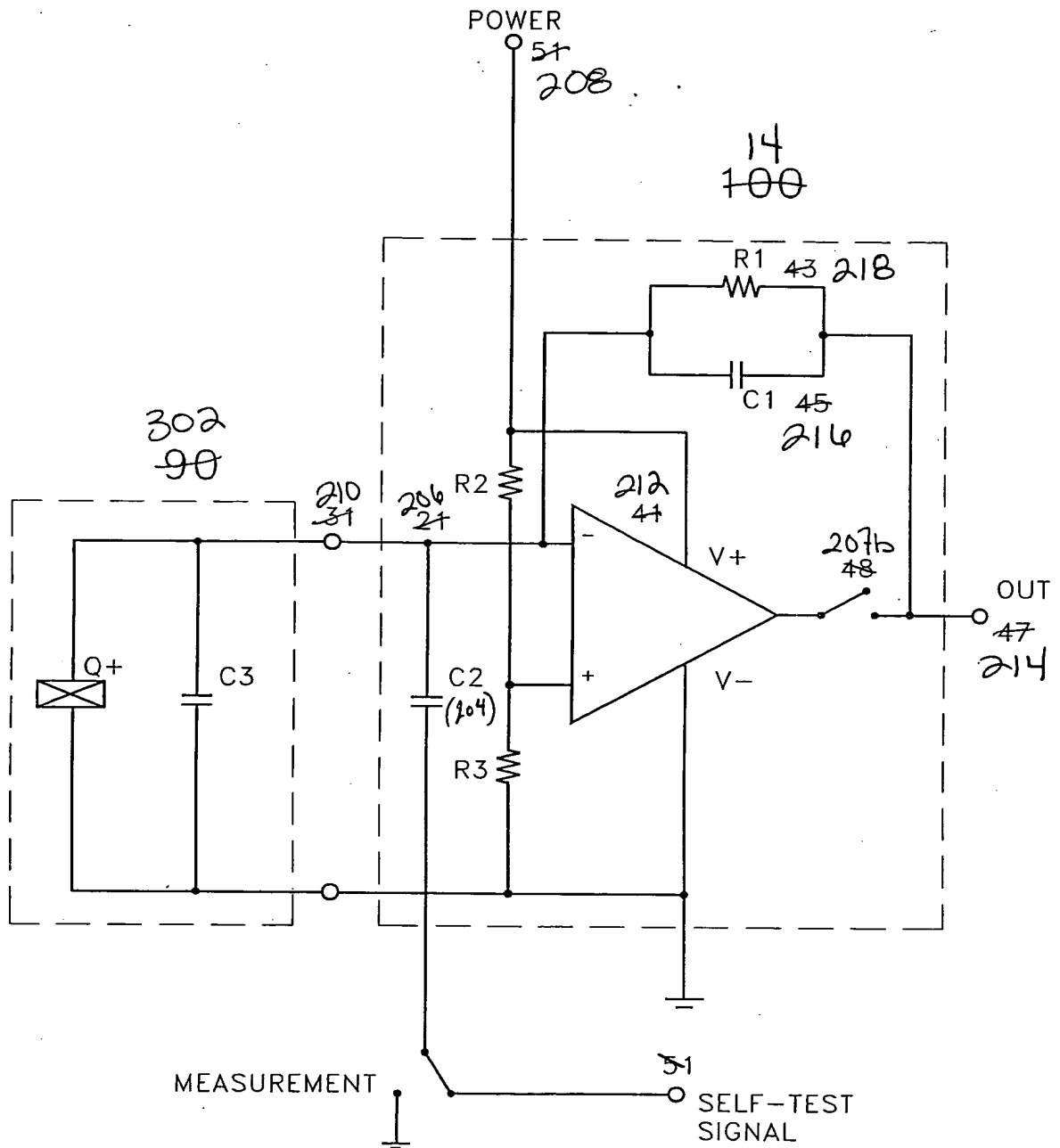


Figure 18

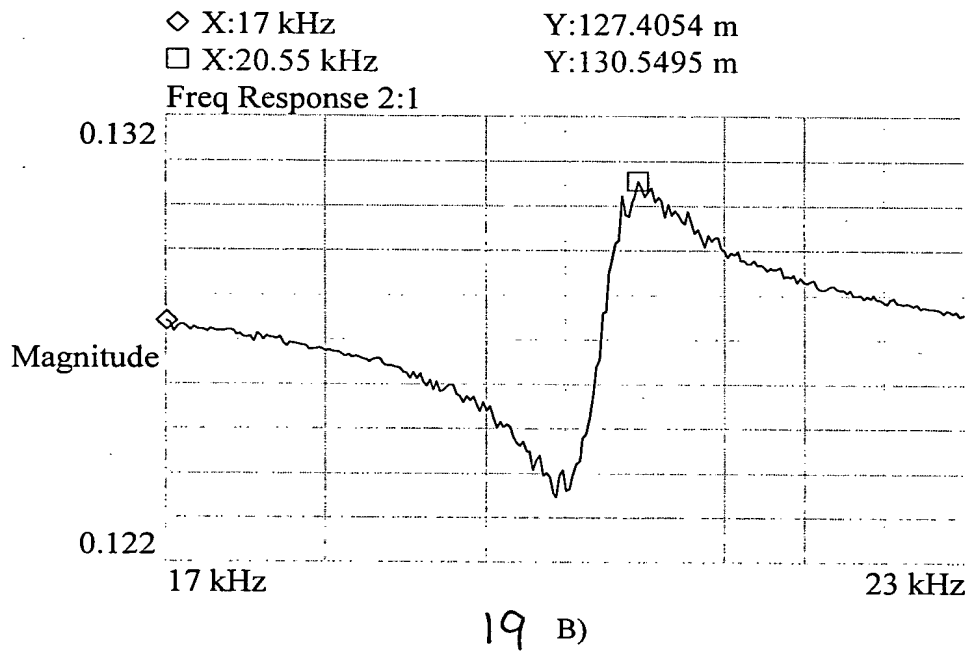
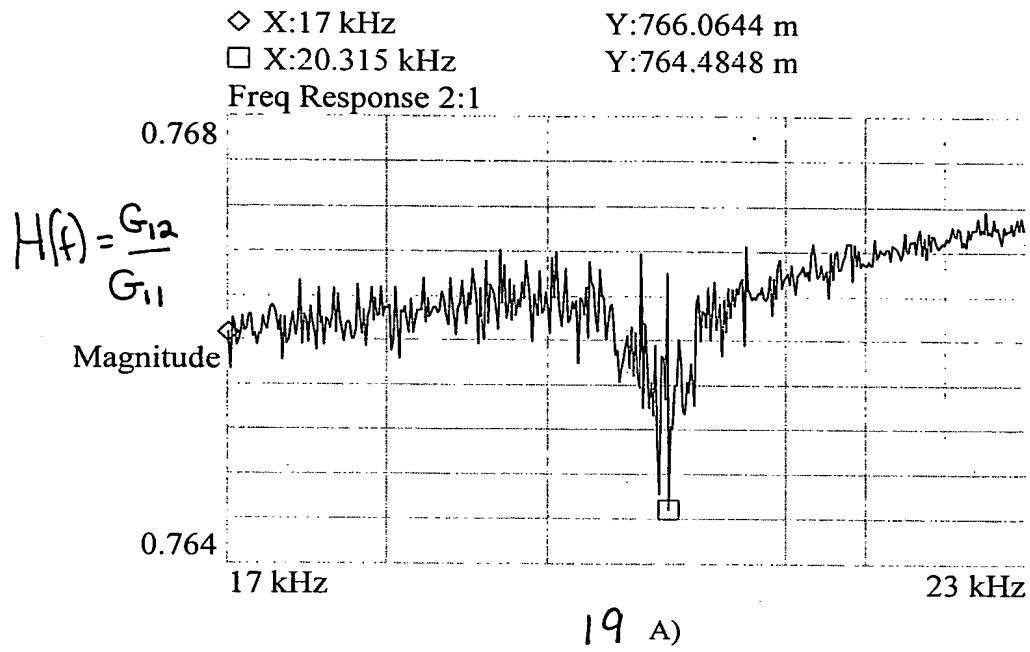


FIG. 19

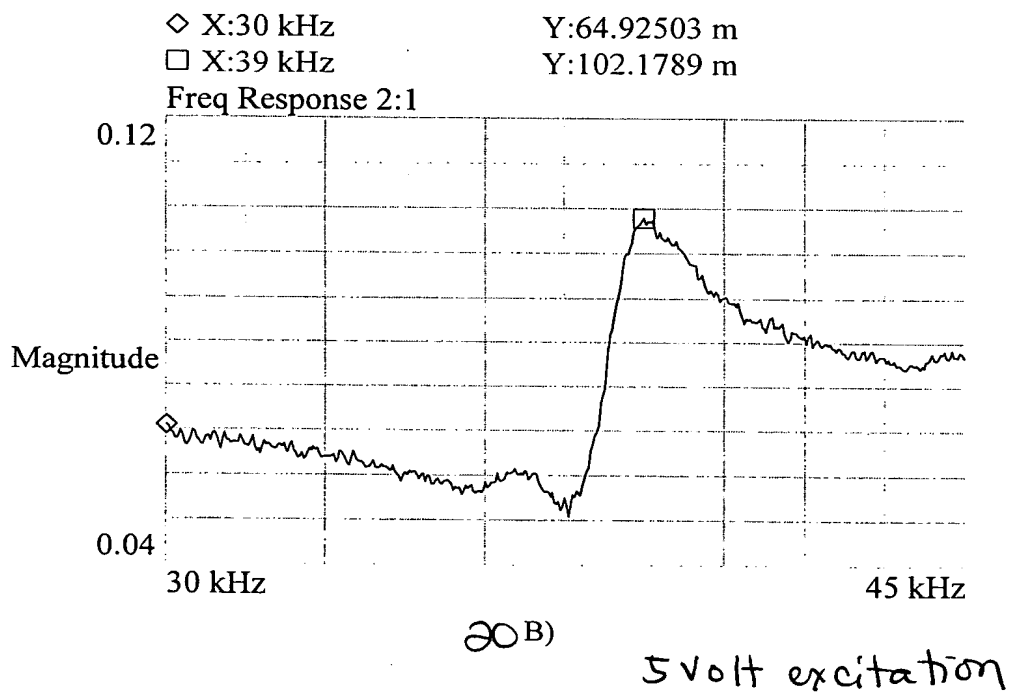
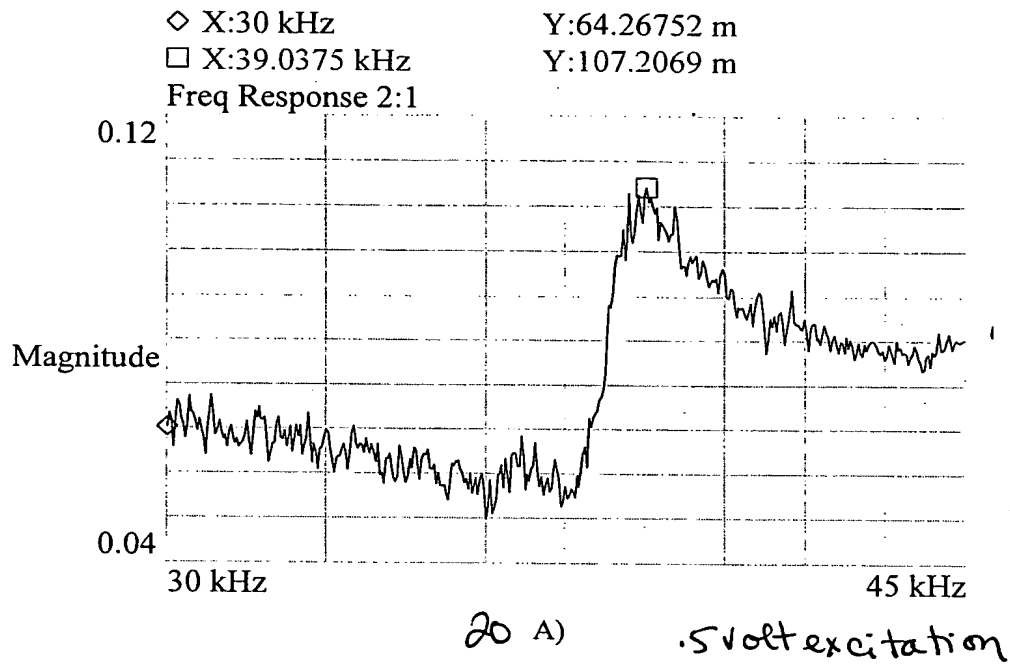


FIG. 20

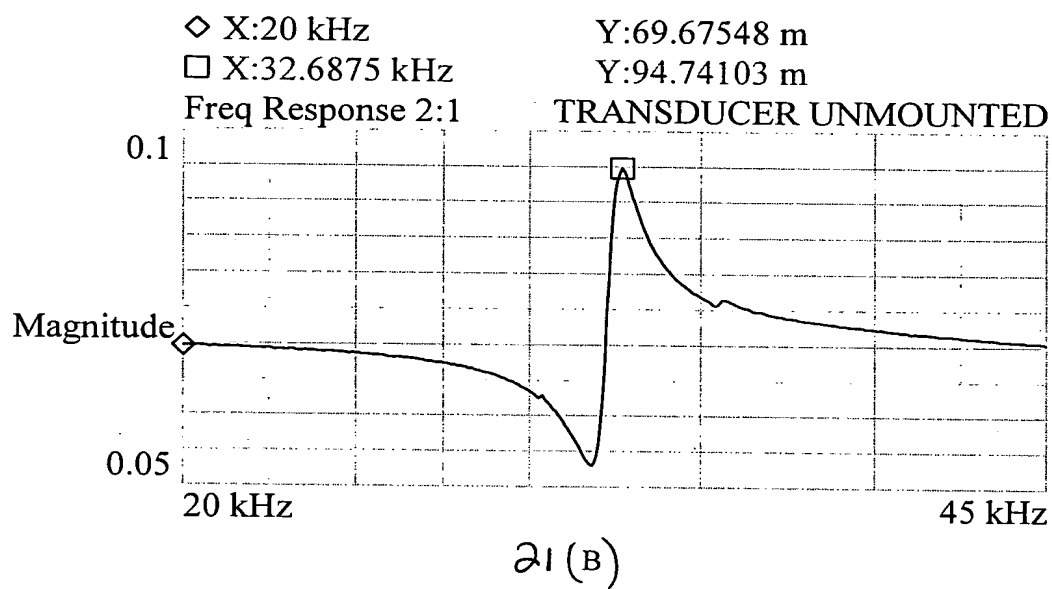
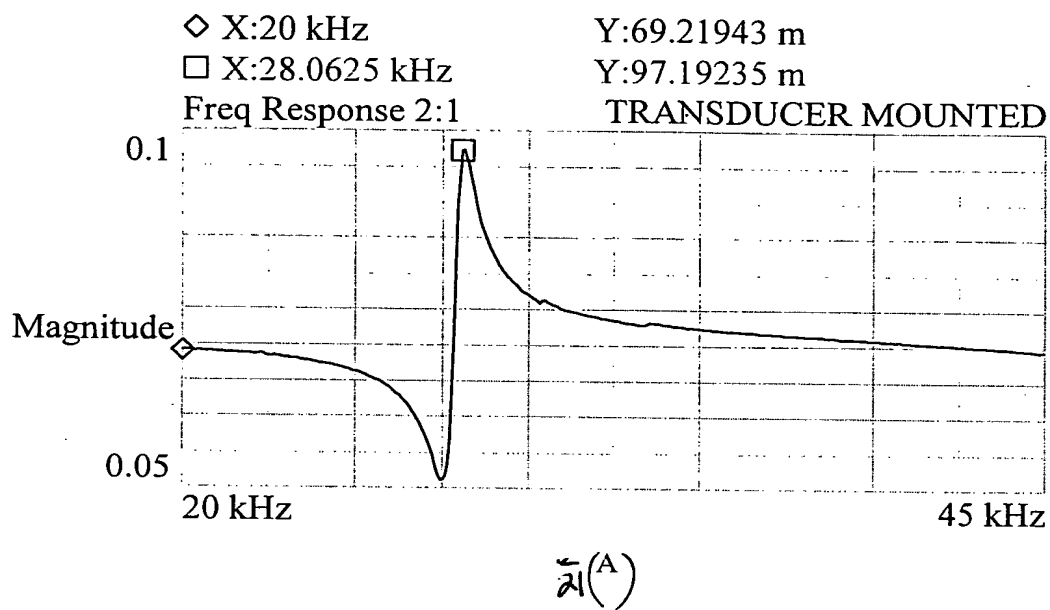


FIG. 21

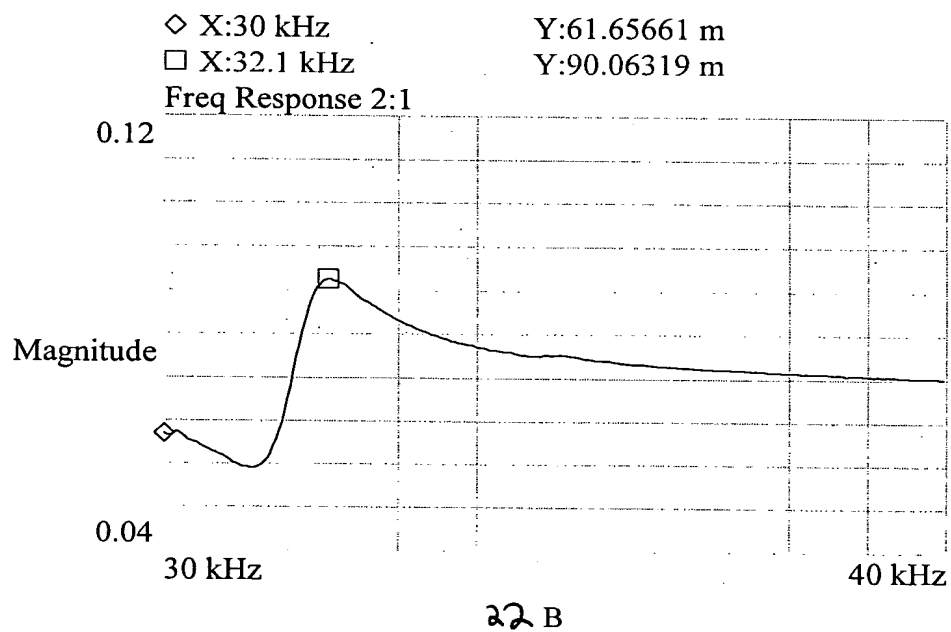
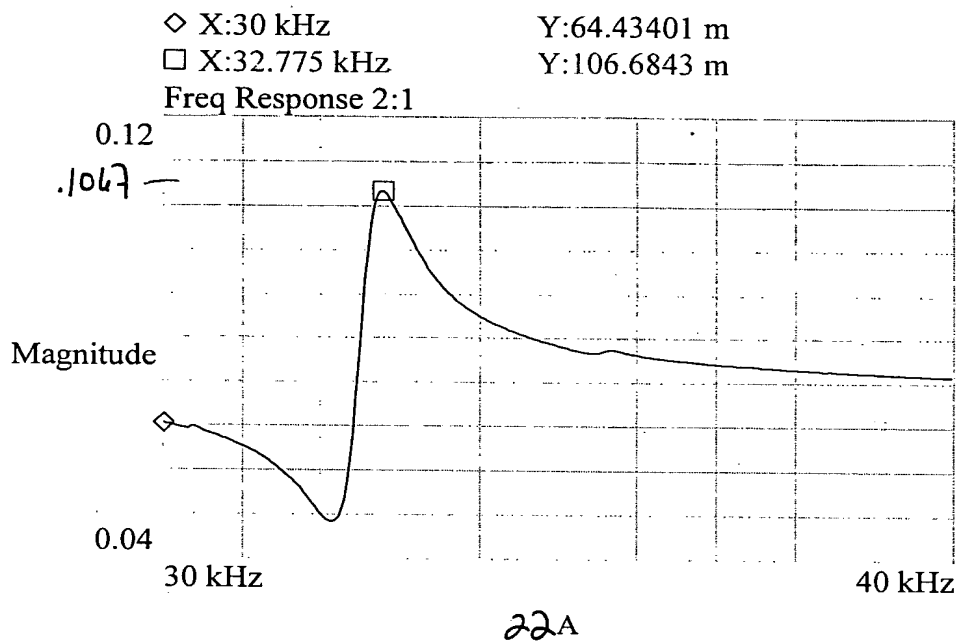


FIG. 22

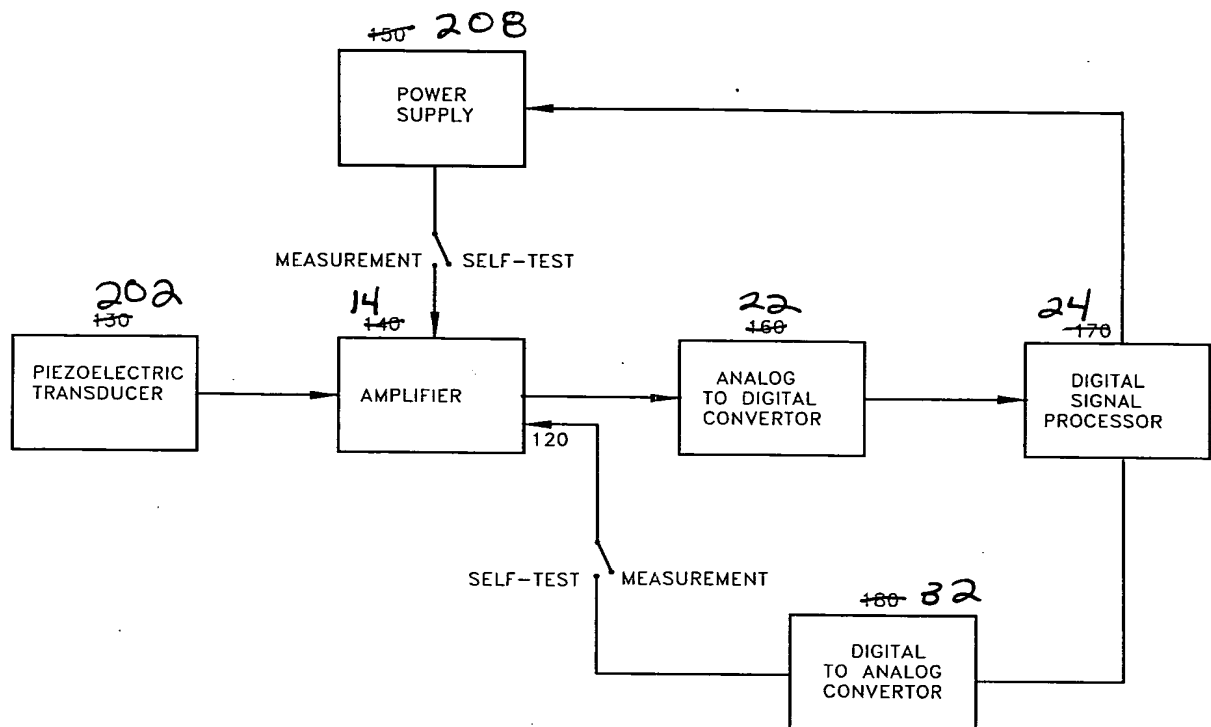


FIG. 23

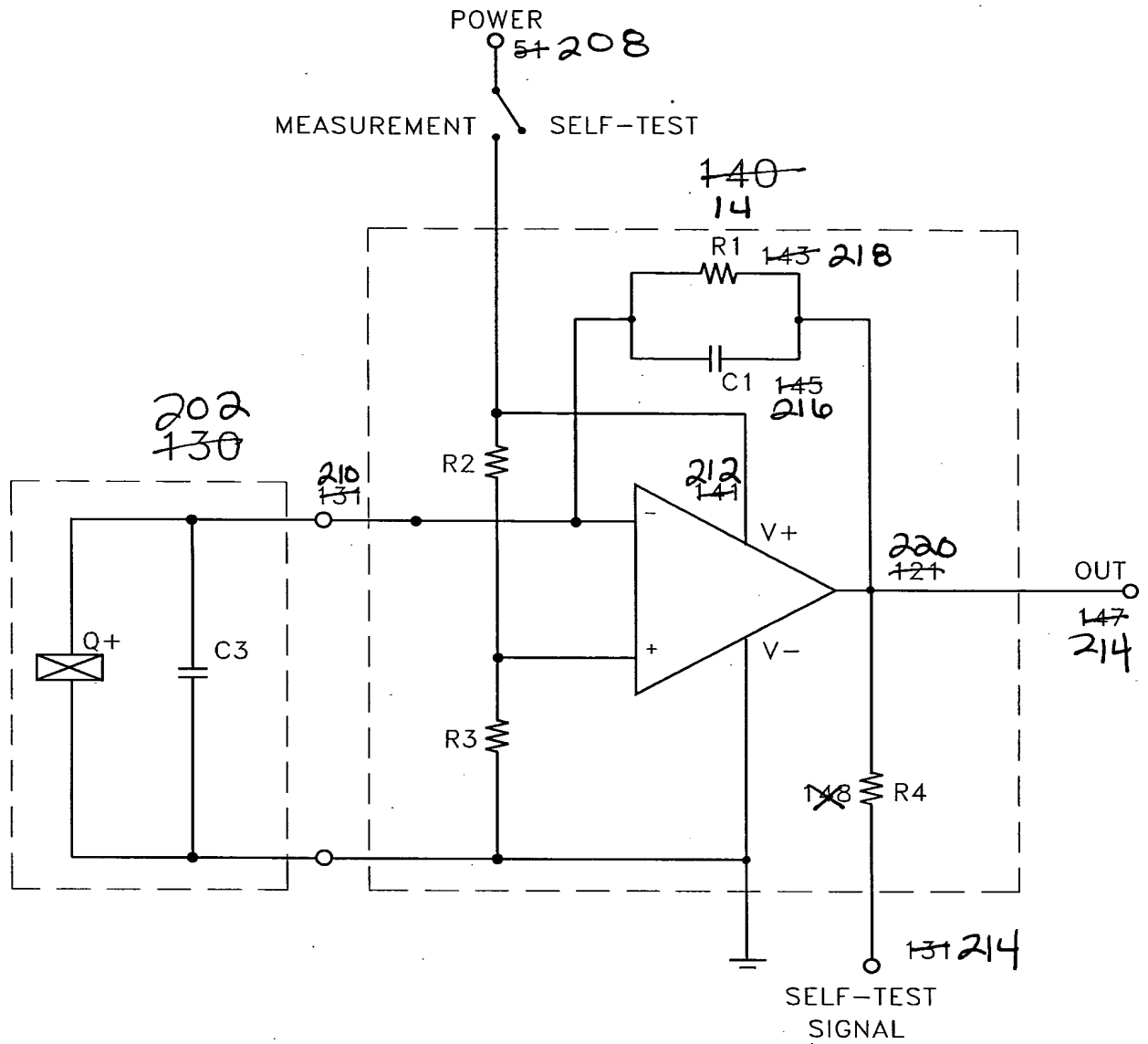


FIG. 24

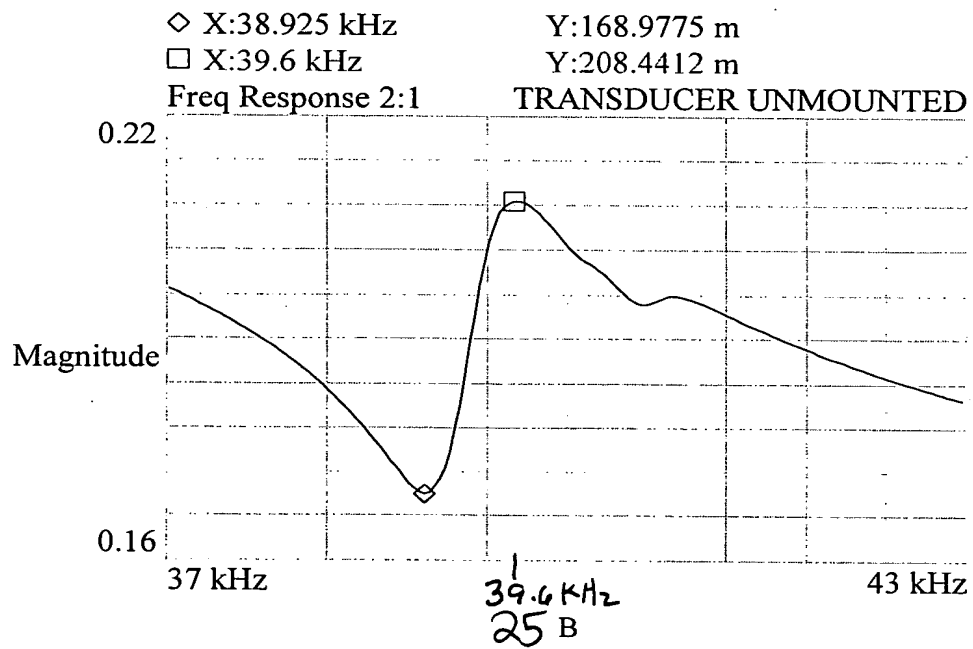
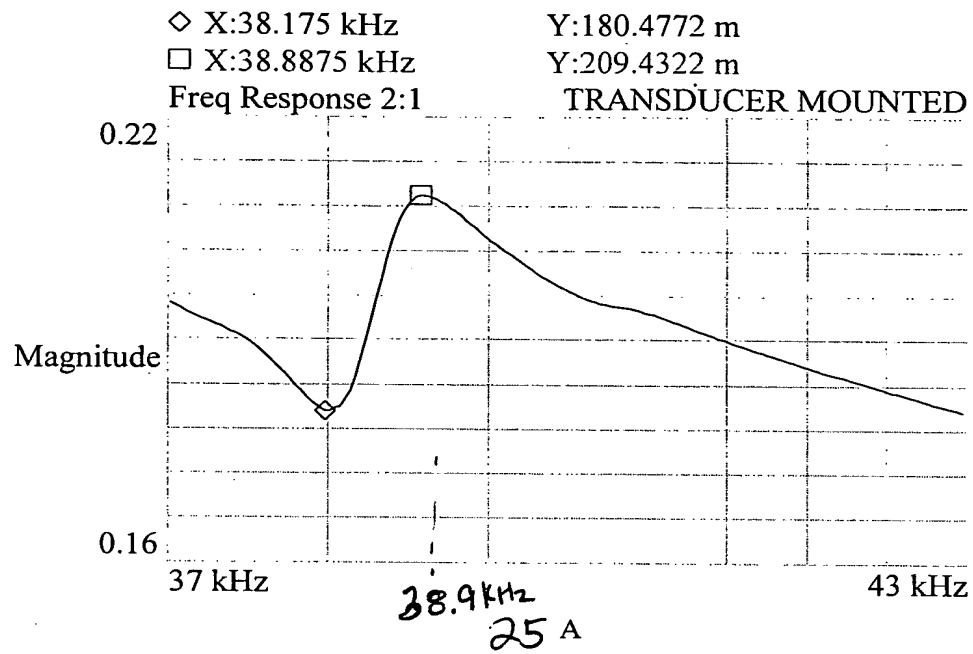


FIG. 25

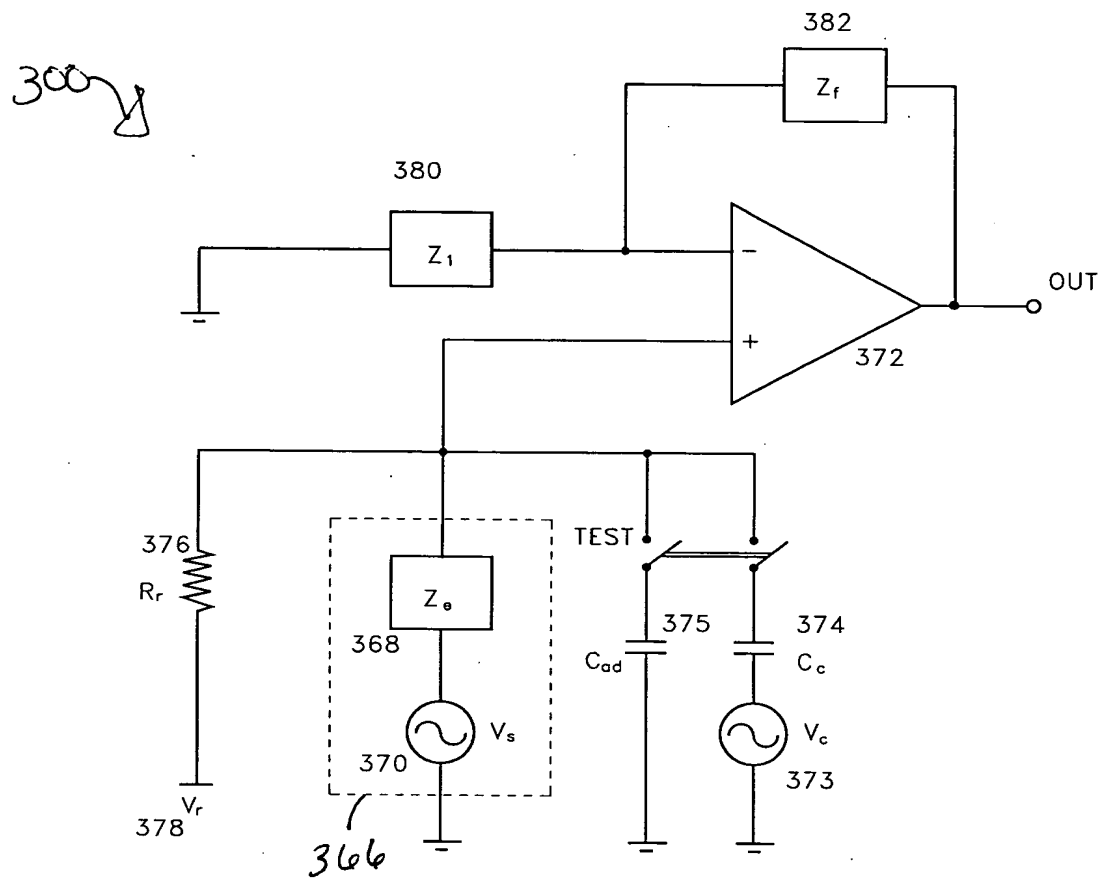


FIGURE 26

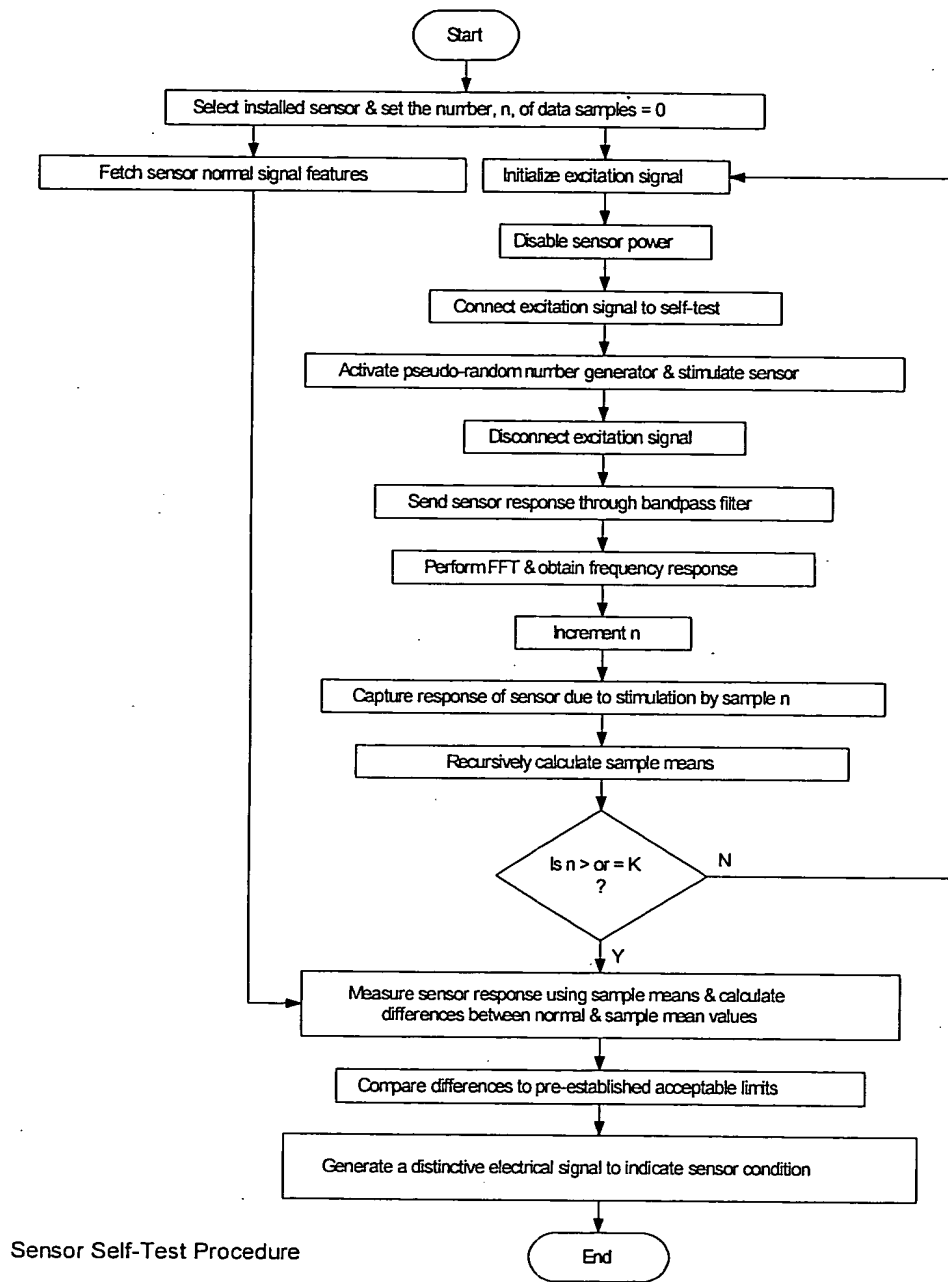


FIG 27